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520.38682X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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MAY 20 2003

Technology Center 2100

Applicants: S. NAKAYAMA, et al

Serial No.: 09/608,151

Filed: June 30, 2000

For: STORAGE SUBSYSTEM AND STORAGE CONTROLLER

Group: 2182

Examiner: A. Elamin

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 15, 2003

Sir:

In the matter of the above-identified application, applicants are submitting herewith a copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of either a final action or a notice of allowance and is accompanied by the fee of \$180.00 set forth in 37 CFR §1.17(p).

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language translation of the documents.

05/16/2003 SDENBOB1 00000025 09608151

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180.00 DP

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (520.38682X00) please credit any excess fees to such deposit account.

Respectfully submitted,

CIB/jdc  
(703) 312-6600



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Carl I. Brundidge  
Registration No. 29,621  
ANTONELLI, TERRY, STOUT & KRAUS, LLP



**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark  
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STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

S. NAKAYAMA, et al

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 9 1 4 6 5 6	4/90	Dunphy, Jr.			
	4 9 8 9 2 0 5	1/91	Dunphy, Jr.			RECEIVED
	5 4 6 9 5 6 4	11/95	Junya			MAY 20 2003
	5 0 7 7 7 3 6	12/91	Dunphy, Jr.			Technology Center 2100
	5 7 4 8 9 2 4	5/98	Llorens et al			
	5 6 5 7 4 4 5	8/97	Pearce			
	5 6 5 1 1 3 9	7/97	Cripe et al			
	5 6 4 4 7 8 9	7/97	Matthews et al			
	5 6 2 3 6 3 7	4/97	Jones et al			
	5 6 1 0 7 4 6	3/97	Ranalli			
	5 5 4 8 7 8 3	8/96	Jones et al			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 1 1 8 1 1 3 9	7/99	Japan			XX
0 3 1 0 5 4 1 9	5/91	Japan			XX
0 3 1 5 2 6 5 0	6/91	Japan			XX
0 5 1 8 1 6 0 9	7/93	Japan			XX
0 5 2 2 5 0 6 8	9/93	Japan			XX
0 5 3 2 4 4 4 5	12/93	Japan			XX

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
	5 5 3 3 1 2 5	7/96	Bensimon et al			
	5 5 2 8 5 8 4	6/96	Grant et al			RECEIVED
	5 2 9 7 2 6 8	3/94	Lee et al			MAY 20 2003
	5 2 8 2 2 4 7	1/94	McLean et al			Technology Center 2100
	5 2 7 4 7 8 3	12/93	House et al			
	5 2 3 9 6 3 2	8/93	Larner			
	5 2 3 7 6 6 8	8/93	Blandy et al			
	5 2 1 0 8 4 4	5/93	Shimura et al			
	5 1 6 3 0 9 6	11/92	Clark et al			
	5 1 2 4 9 8 7	6/92	Milligan et al			
	5 9 1 3 2 2 7	6/99	Raz et al			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 6 2 1 4 8 6 3	8/94	Japan			XX
6 3 2 5 3 4 4 8	10/88	Japan			XX
0 6 0 9 5 8 5 9	4/94	Japan			XX
0 8 2 5 1 1 0 1	9/96	Japan			XX
0 8 1 1 5 2 7 9	5/96	Japan			XX

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5	8	9	4	4	8	1	4/99	Book			
		5	8	7	2	8	2	2	2/99	Bennett			
		5	8	4	8	2	5	1	12/98	Lomelino et al			
		5	8	3	5	4	9	6	11/98	Yeung et al			
		5	8	1	2	7	5	4	9/98	Lui et al			
		5	8	0	9	3	2	8	9/98	Nogales et al			
		5	8	0	5	9	2	0	9/98	Sprengle et al			
		5	8	0	5	8	0	0	9/98	Kotani et al			
		5	7	6	8	6	2	3	6/98	Judd et al			
		5	7	6	8	5	3	0	6/98	Sandorfi			
		6	2	1	9	7	7	7	4/01	Kikuchi et al			

[illegible]


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